Canon

PowerShot SX20 IS

Embargo Date: 19th August 2009
Sales Start Date: August 2009
Target Market: Personal / Home

Superzoom power. All-round excellence.

With a 20x wide-angle zoom, the 12.1 MP PowerShot SX20 IS offers intelligent, versatile shooting power. Switch to Smart Auto mode for effortlessly great results, or shoot stunning HD movies.

The PowerShot SX20 IS is part of Canon's PowerShot SX-series digital still camera range.

Canon's PowerShot range consists of the following products: PowerShot G11, PowerShot S90, PowerShot SX1 IS, **PowerShot SX20 IS**, PowerShot SX200 IS, PowerShot SX120 IS, PowerShot D10, PowerShot A2100 IS, PowerShot A1100 IS, PowerShot A480

Key Features in Importance Order:

- 20x wide-angle (28mm) optical zoom lens with optical Image Stabilizer, plus USM and VCM for fast, silent focus and zooming
- 12.1 Megapixel CCD
- 2.5" vari-angle PureColor VA LCD plus electronic viewfinder
- Smart Auto mode with Scene Detection Technology detects 22 different scene types and optimises settings
- DIGIC 4 for high image quality, responsive operation and advanced noise reduction
- Combats blur with Motion Detection Technology and Servo AF/AE
- Face Detection, FaceSelf-Timer and Auto Red-Eye Correction
- Enhanced i-Contrast helps retain shadow and highlight detail
- HD movies (720p), HDMI output & dedicated movie button
- Compatible with Canon EX Speedlite flash range

Product Name	Mercury Code	EAN Code	Recommended Retail Price
PowerShot SX20 IS	3633B011AA	4960999645605	CHF 648.00
What's in the box: Digital Camera PowerShot SX20 IS, Lens Cap, Lens Hood LH-DC50, Neck Strap NS-DC4, 4 AA-size Alkaline Batteries, Stereo Video Cable STV-250N, Interface Cable IFC-400PCU, User Manual Kit			

For more accessories please refer to specifications

Technical Specifications

PowerShot SX20 IS

IMAGE SENSOR	
Type	1/2.3" CCD
Effective Pixels	Approx.12.1M
Colour Filter Type	Primary Colour
IMAGE PROCESSOR	
Type	DIGIC 4 with iSAPS technology
LENS	
Focal Length	5.0 – 100.0 mm (35mm equivalent: 28-560mm)
Zoom	Optical 20x. Digital approx. 4x (with Digital Tele-Converter approx. 1.5x or 2.0x and Safety Zoom[1])[2]. Combined approx. 80x
Maximum f/number	f/2.8-f/5.7
Construction	13 elements in 11 groups (1 UD and 1 single-sided UA element)
Image Stabilisation	Yes (shift-type)
Ultrasonic Motor (USM)	Yes, zoom
FOCUSING	
Type	TTL
AF System/ Points	Face Detection, 1-point AF (Any position is available, fixed to centre or Face Select and Track)
AF Modes	Single, Continuous, Servo AF/AE[10]
AF Point Selection	Manual selection using FlexiZone AF/AE, Size (Normal, Small)
AF Lock	On/Off Selectable
AF Assist Beam	Yes
Manual Focus	Yes
Focus Bracketing	Yes
Closest Focusing Distance	0cm (W) from front of lens in Super Macro
EXPOSURE CONTROL	
Metering Modes	Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (centre or linked to Face Detection AF or FlexiZone AF frame)
AE Lock	Yes
Exposure Compensation	+/- 2 EV in 1/3 stop increments Enhanced i-Contrast for automatic dynamic range correction
AEB	1/3 - 2 EV in 1/3 stop increments
ISO sensitivity[3]	AUTO, 80, 100, 200, 400, 800, 1600
SHUTTER	
Speed	1 – 1/3200 sec (factory default) 15 – 1/3200 sec (total range – varies by shooting mode)
WHITE BALANCE	
Type	TTL
Settings	Auto (including Face Detection WB), Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Custom
VIEWFINDER	
Viewfinder	EVF (0.44" type), approx. 235,000 dots
Dioptre Correction	Yes
LCD MONITOR	
Monitor	Vari-angle 2.5" PureColor VA (TFT), approx. 230,000 dots
Coverage	100%
Brightness	Adjustable to one of five levels. Quick-bright LCD
FLASH	
Modes	Auto, Manual Flash On / Off
Slow Sync Speed	Yes. Fastest speed 1/500 sec
Red-Eye Reduction	Yes
Flash Exposure Compensation	+/- 2 EV in 1/3 stop increments. Face Detection FE. Safety FE.
Flash Exposure Lock	Yes
Manual Power Adjustment	3 levels with internal flash (up to 19 levels with external EX Speedlites 270EX and 430EX II. 22 levels with 580EX II[4])
Second Curtain Synchronisation	Yes
Built-in Flash Range	50cm-6.8m (W) / 1.0m-3.7m (T)
External Flash	E-TTL with EX series Speedlites[4], Canon High Power Flash HF-DC1
SHOOTING	
Modes	Auto*, Program AE, Shutter priority AE, Aperture priority AE, Manual, Portrait, Landscape, Night Snapshot, Sports, SCN (Indoor, Sunset, Night Scene, Fireworks, Beach, Aquarium, Foliage, Snow, ISO 3200[5], Color Accent, Color Swap), Stitch Assist, Movie *with Scene Detection Technology and Motion Detection Technology
Photo Effects	My Colors (My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red, Custom Color)
Drive Modes	Single, Continuous, Self-Timer, FaceSelf-Timer
Continuous Shooting	Approx. 1.0 shots/sec.[6], AF: Approx. 0.7 shots/sec.[6], LV: Approx. 0.7 shots/sec.[6] (until memory card becomes full)[7]
RECORDING PIXELS / COMPRESSION	
Image Size	(L) 4000 x 3000, (M1) 3264 x 2448, (M2) 2592 x 1944, (M3) 1600 x 1200, (S) 640 x 480, (W) 3840 x 2160. Resize in playback (M3, S, 320 x 240)
Compression	Fine, Normal

RECORDING PIXELS / COMPRESSION *(continued)*	
Movies	(HD) 1280 x 720, 30fps, (L)640 x 480, 30fps, (M)320 x 240, 30fps
Movie Length	Up to 4GB or 29 min. 59 sec (HD)[11] Up to 4GB or 1 hour (L, M)[7]
FILE TYPES	
Still Image Type	JPEG compression, (Exif 2.2 [Exif Print] compliant) / Design rule for Camera File system, Digital Print Order Format [DPOF] Version 1.1 compliant
Movies	MOV [H.264 + Linear PCM (monaural / stereo)]
DIRECT PRINT	
Canon Printers	Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge (ID Photo Print, Fixed Size Print and Movie Print supported on SELPHY CP & ES printers only)
PictBridge	Yes
OTHER FEATURES	
Red-Eye Correction	Yes, during shooting and playback
My Camera / My Menu	Start-up image and camera sounds customisation. Menu customisation
My Category	Image tagging feature
Intelligent Orientation Sensor	Yes
Histogram	Yes, live histogram
Playback Zoom	Approx. 2x – 10x
Self Timer	Approx. 2 or 10 sec., Custom or FaceSelf-Timer
Menu Languages	English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified Chinese, Chinese (traditional), Japanese, Russian, Portuguese, Korean, Greek, Polish, Czech, Hungarian, Turkish, Thai, Arabic, Ukrainian, Romanian, Farsi
INTERFACE	
Computer	Hi-Speed USB (Mini-B, MTP, PTP)
Other	HDMI Mini Connector. A/V output (PAL/NTSC)
MEMORY CARD	
Type	SD, SDHC, MMC, MMCplus, HC MMCplus.
SUPPORTED OPERATING SYSTEM	
PC & Macintosh	Windows XP SP2-3 / Vista (including SP1-2) Mac OS X v10.4 - 10.5
SOFTWARE	
Browsing & Printing	ZoomBrowser EX / ImageBrowser
Other	PhotoStitch
POWER SOURCE	
Batteries	4x Size-AA Alkaline or NiMH Batteries(NB4-300) (Alkalines supplied)
Battery Life	Approx. 340 shots (with supplied batteries)[8] Approx. 600 shots (with optional Canon NB4-300 batteries)[8] Approx. 720 min. playback (with supplied batteries)[8] Approx. 840 min. playback (with Canon NB4-300 batteries)[8]
A/C Power Supply	Optional, Power adapter CA-PS700
ACCESSORIES	
Case	Soft Case DCC-800
Flash	Canon Speedlites (including 270EX, 430EX II, 580EX, 580EX II[4]), Speedlite Transmitter ST-E2, Off-Camera Shoe Cord OC-E3 High Power Flash HF-DC1
Power Supply & Battery Chargers	Compact AC power adapter CA-PS700, Battery Charger Kit CBK4-300, Ni-MH Batteries NB4-300
Other	Canon HDMI Cable HTC-100
PHYSICAL SPECIFICATIONS	
Operating Environment	0 – 40 °C[9], 10 – 90% humidity
Dimensions (WxHxD)	124.0 x 88.3 x 86.9 mm
Weight (body only)	Approx. 560g

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated. Subject to change without notice.

1 Depending on the image size selected.

2 Digital zoom available for still image and standard movie modes only. Optical zoom may not be available during movie recording.

3 Standard Output Sensitivity / Recommended Exposure Index. According to ISO 12232:2006 (20th April 2006) which specifies the method for assigning and reporting ISO speed ratings for digital still cameras.

4 Not all functions of the flash are supported.

5 Recording pixels fixed at 1600 x 1200 (ISO 3200 Mode) and 1824 x 1368 (Low Light Mode).

6 Under conditions where the flash does not fire.

7 Depending on memory card speed / capacity / compression setting.

8 Using the batteries and memory card format supplied with the camera (where included), except where indicated.

9 0 – 35 °C when NB-3AH is used

10 Some settings limit availability

11 The following Speed Class memory cards are required for maximum record time: 1280 x 720, 30fps Speed Class 4 or above. 1920 x 1080, 30fps Speed Class 6

Canon